# Joint Test & Evaluation Program

## Program Overview

**Jim Thompson**
**Program Manager**
**JT&E Program**
**DOT&E**

**January 2007**

# Briefing Content

- **Overview and History**
- **Process**
- **Review and Approval**
- **Support Structure**
- **Current Projects**
- **Recent Accomplishments**

# What is the JT&E Process?

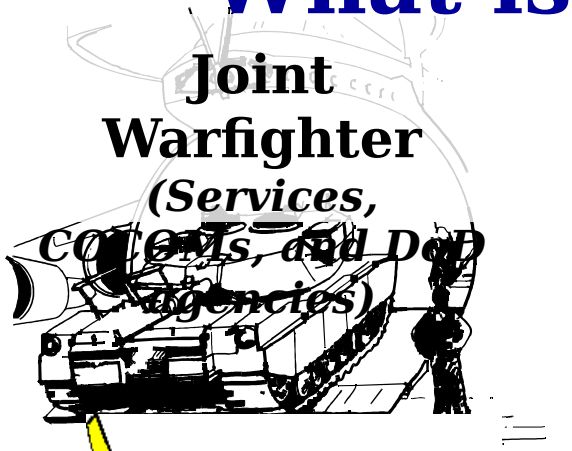
- **DOT&E program to assist the warfighter in solving operational problems and issues through the development of tactics, techniques, and procedures; changes to operational processes; and C4ISR architectures**
- **Problems and issues are resolved using operational test and evaluation techniques; not experiments, not demonstrations**
- **Joint operational solutions are the principal products of JT&E projects – not hardware acquisition products**

# How Does the Program Works?

- **Nominating organization proposes JT&E project to resolve operational issue**
- **Selected nominations are chartered and funded by DOT&E but led by the nominating Service or COCOM**
- **Joint Test team resolves the operational issue by finding a process solution**
- **Services and COCOMs team with JT&E Program to provide military personnel, test assets, and test venues and facilities**
- **Test products are new joint tactics, techniques, and procedures; architectures; and processes**

# What is the JT&E Program?

**Joint Warfighter** *(Services, COCOMs, and DoD Agencies)*



**Joint Issue Nominated**

**Selected Nominations Chartered**

**Nominator/Sponsor Leads Test Team**

**JT&E**

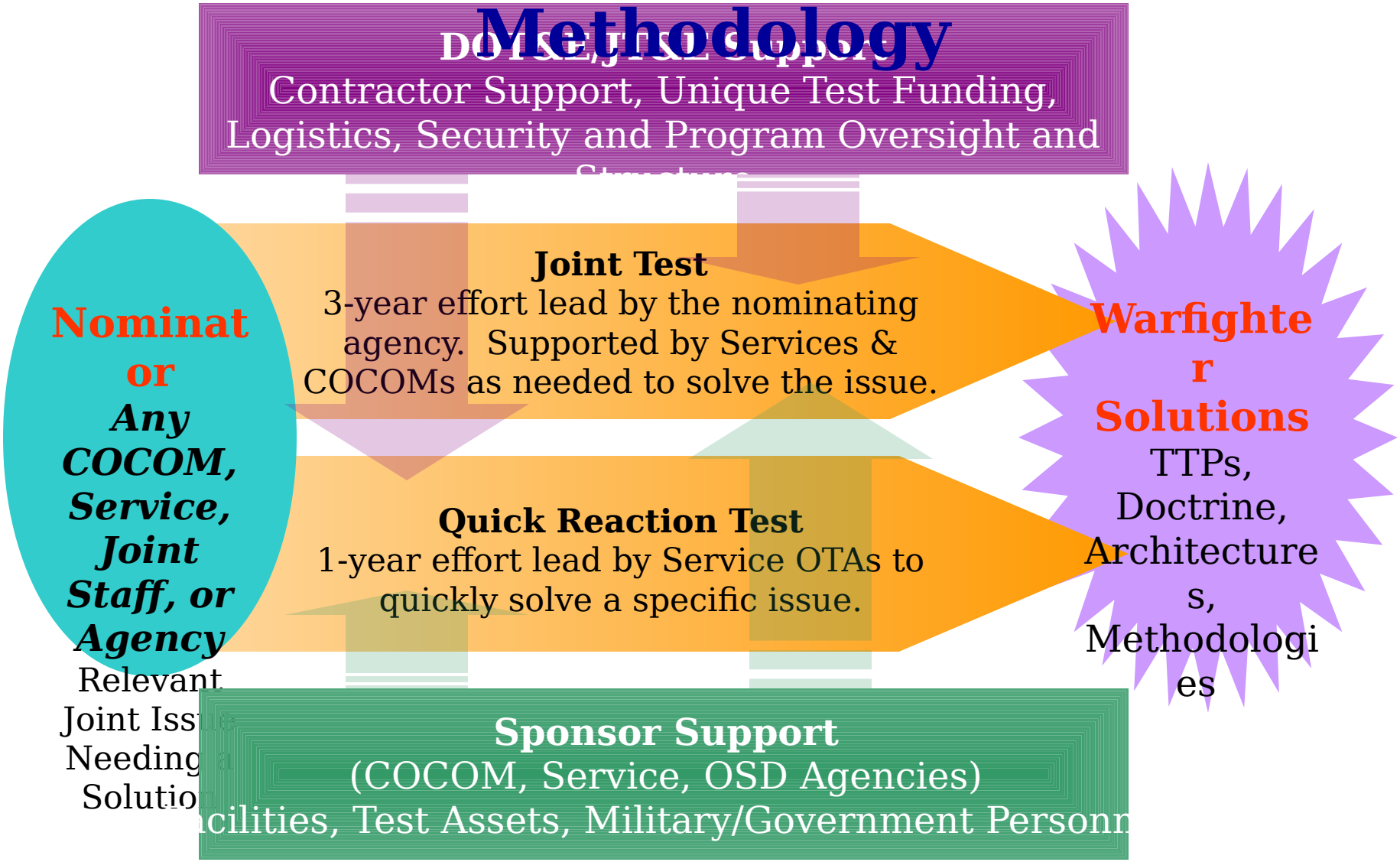
**The catalyst for solving Joint interoperability issues**

**DOT&E Managed and Funded**
**Service and COCOM Resourced and Supported**
**Chartered to Produce a Joint Product**

**Successful Joint Interoperability**

**New JTTPs, architectures, and processes delivered to the Warfighter**

# Joint Test and Evaluation Methodology


DOT&E/JT&E Support
Contractor Support, Unique Test Funding, Logistics, Security and Program Oversight and
Nominator
Any COCOM, Service, Joint Staff, or Agency
Relevant Joint Issue Needing a Solution
Joint Test
3-year effort lead by the nominating agency. Supported by Services & COCOMs as needed to solve the issue.
Quick Reaction Test
1-year effort lead by Service OTAs to quickly solve a specific issue.
Warfighter Solutions
TTPs, Doctrine, Architectures, Methodologies
Sponsor Support
(COCOM, Service, OSD Agencies)
cilities, Test Assets, Military/Government Personn

# Joint Test and Evaluation Purpose

- **Find ways for the warfighters to do their jobs better with today's equipment, organization, and doctrine**
- **Provide better tools and ways to test**
  - Improve testing methodologies that have multi-Service applications
  - Improve modeling and simulation validity with field exercise data
- **Provide feedback to the acquisition and joint operations communities**

***Annual Budget – Approximately $40M***

## Joint Test and Evaluation Program

# The Process

# Two Avenues to Conduct Joint Testing

## Quick Reaction Tests

- **Quickly addresses specific and focused warfighter question/issue within scope of JT&E program purpose**
- **Accelerated review, approval, execution**
- **Duration: 6-12 months (Nomination-to-Final Report)**
- **Sponsors: COCOMs, JFCOM, Services, OSD**
- **Testers: Executed by Service Operational Test Agencies**
- **Product provides specific answer to a specific question**
- **Resourcing for OTA participation in accordance with JT&E guidelines**

## JT&E Projects

- **In-depth, methodical evaluation of issues within scope of JT&E program purpose**
- **Duration: 3 years maximum (Charter-to-Closedown)**
- **Sponsors: COCOMs, JFCOM, Services, OSD**
- **Testers: Executed by Service-led JT&E test teams**
- **Delivers defined and useful products to warfighter**
  - *Both interim and final products required*

# Quick Reaction Test Process

- **Nominations generated from a variety of sources**
  - Direct from COCOMs, Joint Staff, Services, OSD
  - Pop-up “hot issues”
  - Regular JT&E Seminar/Conference to generate QRT proposals
  - Combatant Commander Field Assessment
- **Nominations reviewed for scope and feasibility**
  - Program Office and Joint Test Support Cell (JTSC) actively review
  - Joint Staff and JFCOM input solicited
- **Executive Steering Group (ESG) meets as needed to review and select nominations for QRTs**
- **Once approved, designated OTA leads the effort; maximum of one year for testing**

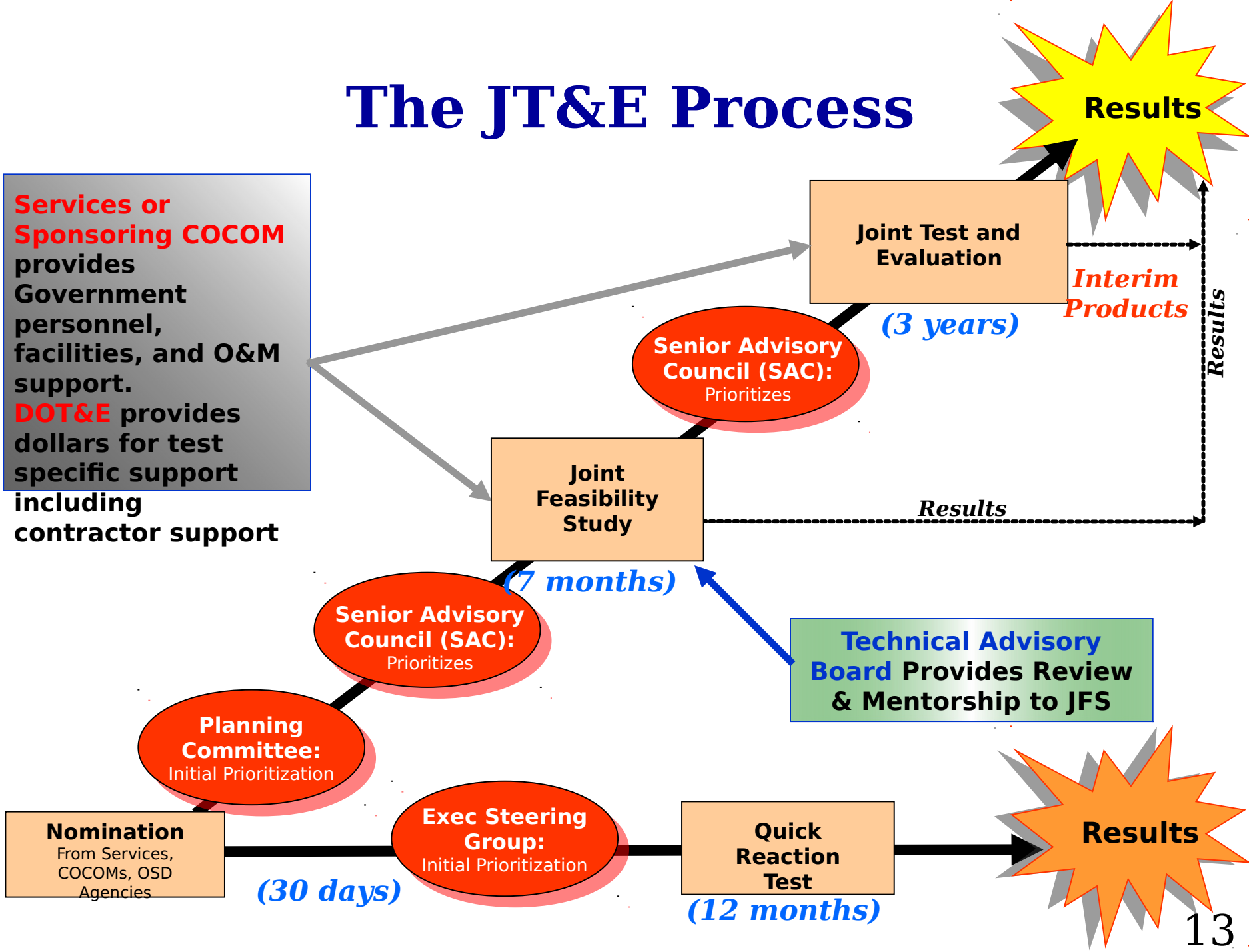
# Joint Test Process

- **Process starts with “Call for Nominations” letter**
  - Letter published in March
- **Nominations generated from a variety of sources**
  - COCOMs, Joint Staff, Services, OSD, and other agencies
- **Planning Committee (PC) meets in November to review and recommend nominations**
  - Nominations reviewed for scope and feasibility
  - PC members represent SAC member agencies and have equal vote
- **Senior Advisory Council (SAC) meets in January to recommend Feasibility Studies**

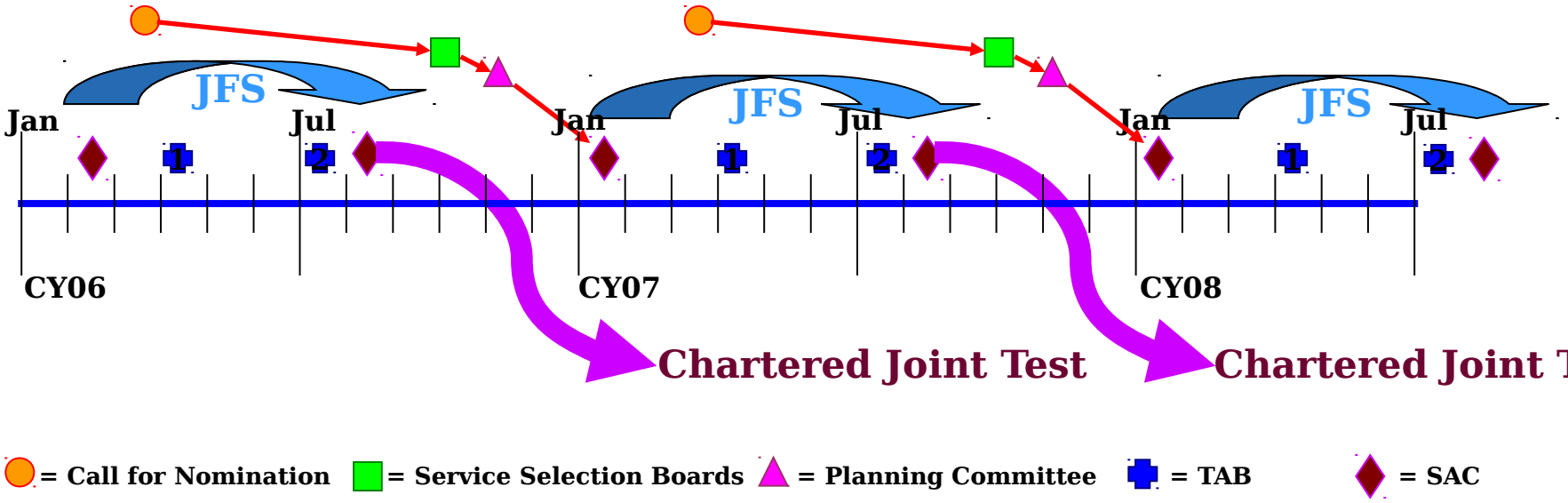
# Joint Test Process
***(Continued)***

- **Joint Feasibility Study (JFS)**
  - Seven month effort, lead by a Service or COCOM
  - Resolve two basic issues: Is a JT&E necessary? Is a JT&E Feasible?
  - Technical Advisory Board (TAB) reviews and mentors JFS
  - Develop Program Test Plan and Consolidated Resource Estimate
  - Joint Test Support Cell (JTSC) and JFCOM Liaison assistance provided
- **Senior Advisory Council (SAC) meets in August to recommend charter**
- **Chartered Joint Test**
  - Three-year test effort to answer the “Problem Statement”
  - Service or COCOM lead; Sponsor provides infrastructure
  - DOT&E funds contract support and test unique requirements
  - Products focus on customer requirements

# The JT&E Process


Results
Services or Sponsoring COCOM provides Government personnel, facilities, and O&M support.
DOT&E provides dollars for test specific support including contractor support
Joint Test and Evaluation
(3 years)
Interim Products
Results
Senior Advisory Council (SAC): Prioritizes
Joint Feasibility Study
Results
(7 months)
Senior Advisory Council (SAC): Prioritizes
Technical Advisory Board Provides Review & Mentorship to JFS
Planning Committee: Initial Prioritization
Nomination From Services, COCOMs, OSD Agencies
(30 days)
Exec Steering Group: Initial Prioritization
Quick Reaction Test
(12 months)
Results

# JT&E Program Timeline




**TAB** = Technical Advisory Board – Provide technical review of studies

**SAC** = Senior Advisory Council – Senior Warfighter, Service, OSD group for recommending JFS and Joint Test approval

**JFS** = Joint Feasibility Study – 7 month study to determine if the test is feasible

**Joint Test** = DOT&E chartered test activity funded to answer a joint warfighter issue by conducting a three-year test and evaluation program

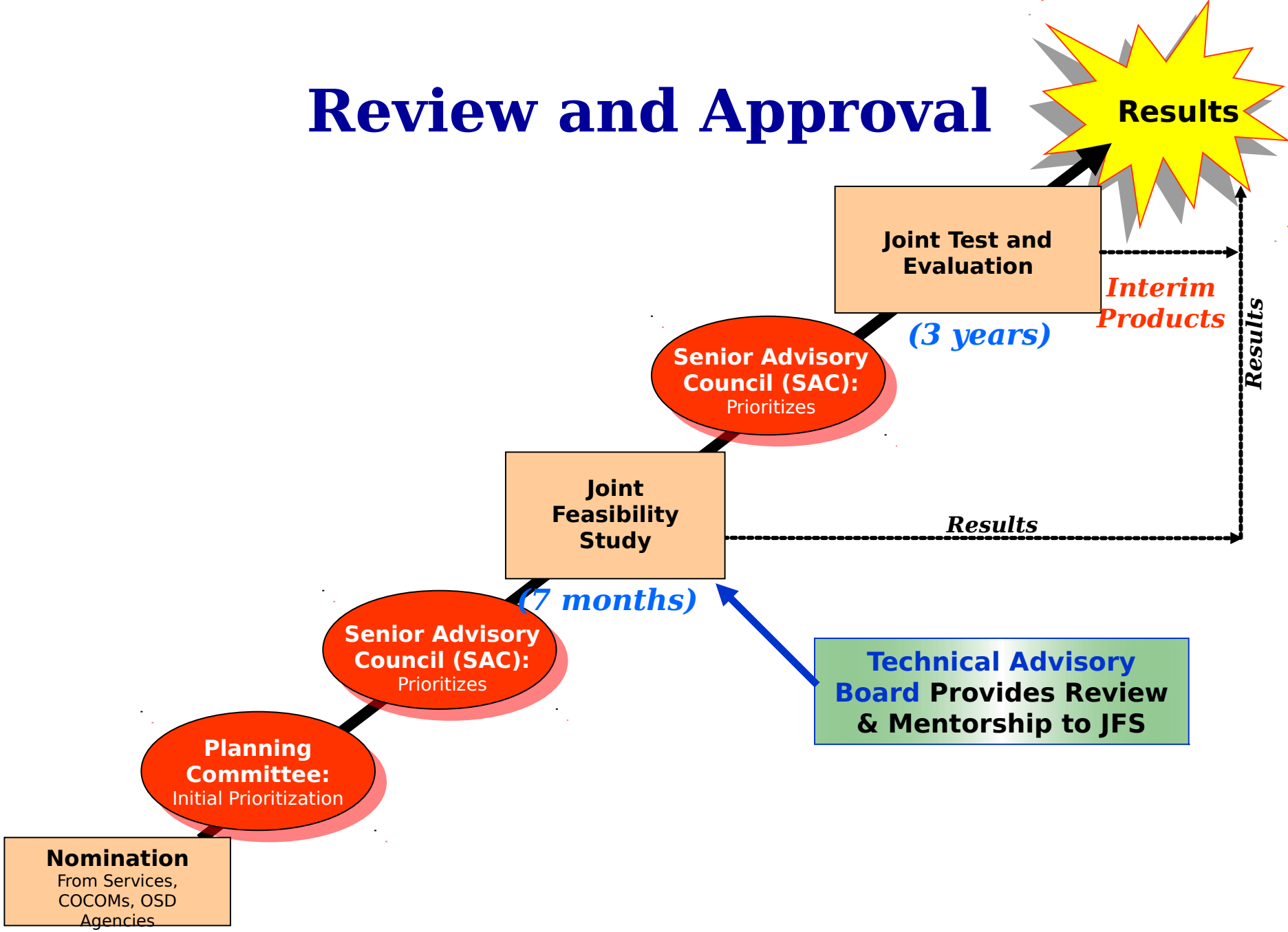
# Coordination for Leveraging

- **DOT&E/JT&E is committed to partner with JFCOM**
  - Established JT&E-Suffolk facility near JFCOM
  - Funded liaison efforts for test coordination
  - Coordinating future JT&Es early with J7 Capabilities and Exercise Planners
- **JT&Es identify all potential training venues that could support testing**
  - Uses GOSC and joint working groups to identify potential venues
  - Coordinates with OTAs and Service schools to identify potential venues
- **Economies of Scale for test planning**
  - Each JT&E test is responsible for their individual test planning
  - Multiple projects using the same joint venue will have JTSC/LNO identified as lead JT&E integrator

## Joint Test and Evaluation Program

# Review & Approval

# Review and Approval



# Planning Committee

- **Action Officers for SAC Members**
- **Review Nominations**
  - Do they meet the purposes of a JT&E?
  - Does the nomination support the tenants of JV 2020
  - Has the nominating organization committed the necessary resources?
- **Prioritizes Nominations**
- **Recommends Which Nominations Should Brief the SAC**

# Senior Advisory Council

- **Advisory Board to DOT&E**
- **Reviews Nominations** **(January SAC meeting)**
  - Based on Planning Committee (PC) recommendations
  - Consider purposes of nominations
  - Recommends priority of nominations for directing as a Joint Feasibility Study
- **Reviews Feasibility Studies** **(August SAC meeting)**
  - Considers necessity and feasibility (feasibility recommendation from the TAB)
  - Recommends priority for Charter as a Joint Test and Evaluation project
- **Reviews Completed Joint Tests and Evaluation Projects**

# Technical Advisory Board

- **Advisory Board to the JT&E Program Director**
- **Senior Test Analysts and Scientists from the Services, OSD, and JFCOM**
- **Reviews the Progress of Joint Feasibility Studies**
  - Technical issues and feasibility
  - Makes recommendation to the SAC as to technical feasibility
- **Reviews On-going Joint Test and Evaluation Projects**
  - Technical progress
  - Technical advise and guidance
- **Conduct Meetings in April and July**

# Executive Steering Group

- **Advisory Board to DOT&E**
- **Decision Body for Quick Reaction Test (QRT) Nominations**
  - Group meets as nominations are submitted
- **Responsible for Final Vetting and Management Oversight of QRTs**
- **Commit Resources to Support Quick Test Planning and Execution**
- **Approve Lead OTA for Selected QRTs**
- **Joint Staff and JFCOM Vet QRT Nominations for Urgency and Jointness**

## Joint Test and Evaluation Program

# Support Structure

# Support Structure

*Concept*

- **JT&E accepts the nominating agency as an expert in the subject area of the proposed issue**
- **Support structure is designed to provide an operational test team which compliments the nominator's expertise**
- **Services partner with JT&E to solve joint interoperability issues in the field**
- **Support structure is designed to stand-up test team, provide support, and disband quickly while maintaining the historical records in the program office**
- **JT&E structure uses the synergy, expertise, and knowledge of field organizations to find credible and relevant joint solutions**

# Support Structure

*Implementation*

- **Program Office provides program management oversight, resources, and guidance on test team structure/approach**
  - Functional guidance in; technical, contracting, financial, logistics, personnel, and security
  - Services align their support with JT&E guidance
- **Services/COCOMs provide government personnel, facilities, and test assets**
- **JT&E provides contract support, travel funding, and test-unique equipment**
- **Oversight and document approval controlled by DOT&E**

# Joint Test Support Methodology

***...Full Service Support to Quickly Stand Up and Conduct a Joint Test***

**Nominator**
Relevant Joint Issue Needing a Solution

**Sponsor Support**
COCOM, Service, OSD Agency

**JT&E Program Office**
Contracting, Funding, Logistics, Personnel, Security

Nominator finds a Joint Solution as a Chartered OSD Agent using Operational Test Methodology

**Warfighter Solutions**
TTPs, Doctrine, Architectures, Methodologies

## Joint Test Team

**Sponsor Support**
- Subject Matter Expertise
- Personnel
- Facilities
- Test Assets

**Contracting**
- Task Award
- Task Funding
- Task Management
- Task Closeout

**SCI Security**
- NAG issue clearance
- Manage SCI Billets
- SCIF
- Secure Equipment Management

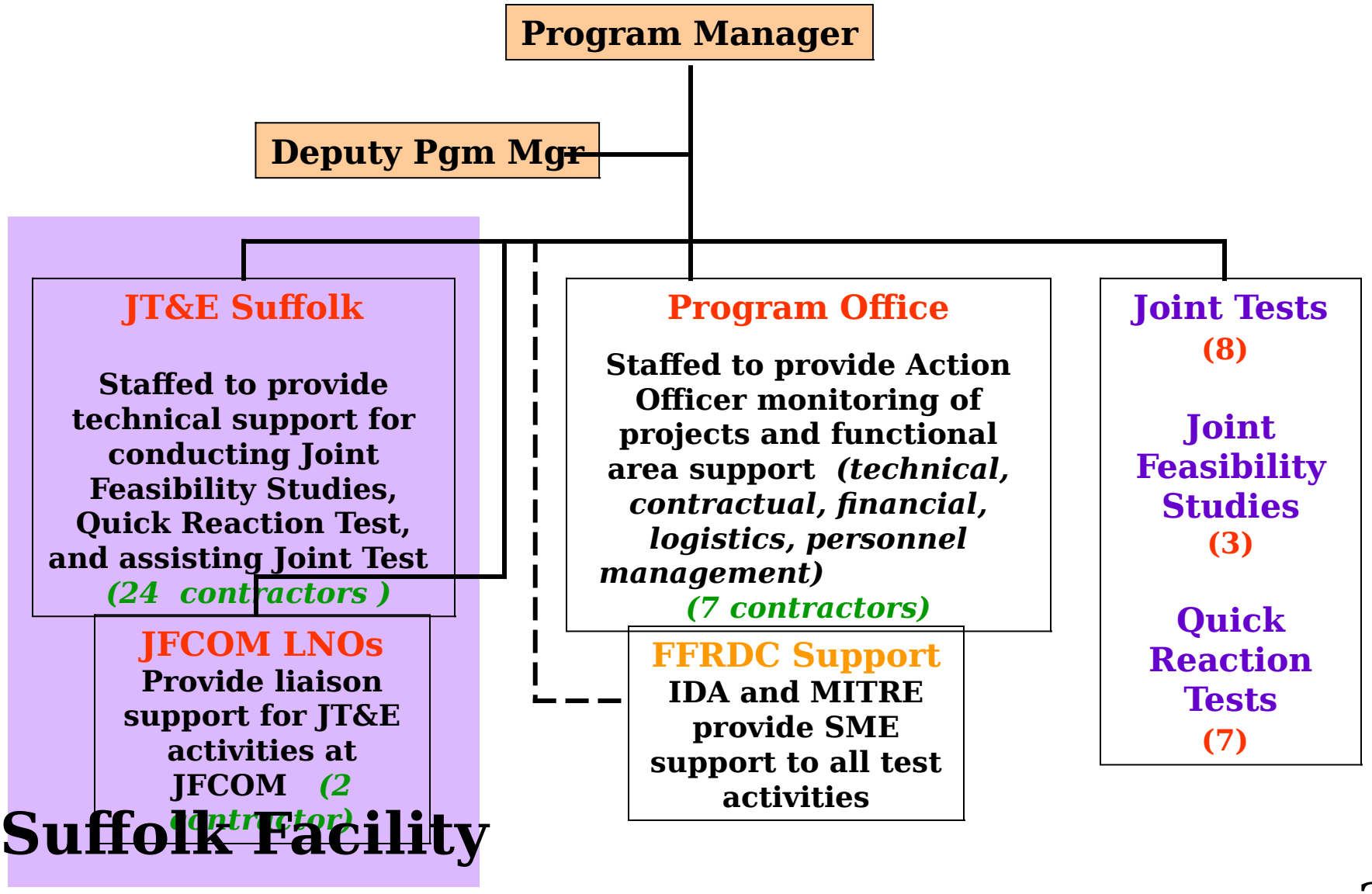
**Financial**
- Funding Unique Test Cost
- Government Travel
- Government Purchase Cards
- Funding Documents
- Financial Management

**Technical**
- Document Approval
- Technical Advisory Boards
- Joint Test Support Cell
- Action Officer Support

**Logistics**
- Property Acquisition
- Property Accountability
- Property Disposition
- Test Site Liaison

**Personnel**
- Efficiency reports
- Awards
- Promotion Boards

# JT&E Program Structure


Program Manager
Deputy Pgm Mgr
JT&E Suffolk
Staffed to provide technical support for conducting Joint Feasibility Studies, Quick Reaction Test, and assisting Joint Test
(24 contractors )
JFCOM LNOs
Provide liaison support for JT&E activities at JFCOM (2 contractor)
Program Office
Staffed to provide Action Officer monitoring of projects and functional area support (technical, contractual, financial, logistics, personnel management)
(7 contractors)
FFRDC Support
IDA and MITRE provide SME support to all test activities
Joint Tests
(8)
Joint Feasibility Studies
(3)
Quick Reaction Tests
(7)
Suffolk Facility

# JT&E-Suffolk Facility

- **Joint Test Support Cell (JTSC)**
- **Joint Tests/JFS Site**
- **Facilities**
- **Information Technology (IT) Support**
- **Security**
- **Additional Support**

## Facility Capabilities

- **26000 square feet**
- **Over 150 cubicle spaces**
- **Full Data Analysis Center (DAC)**
- **SIPRNET/NIPRNET**
- **SCIF**
- **Five Conference rooms**
  - VTC Capability
  - Classified Meetings/briefings

# Joint Test Support Cell (JTSC) Role

- **Group of subject matter experts to provide “quick start” capability for JFS**
- **Training for new nominations, JFS, Joint Tests, and QRTs**
- **Support JPO regarding technical documents**
  - Extension of JPO technical director
  - Review new nominations

## JTSC Support Areas

- **Test scoping and concept development**
- **Problem decomposition**
- **Work breakdown structure development**
- **Develop executable JFS and Joint Test plan of action and milestones**
- **Identify appropriate test venues and test tools**
- **Generate necessary technical documentations and presentations**

# Suffolk Facility

## *Support Across JT&E Program*

### Overview

- **JTSC's thirteen technical experts support JT&Es and QRTs through generation of technical documentations and presentations.**
  - Provide "quick start" capability for JFS
  - Review new nominations
  - Provide training for new nominations, JFS, Joint Tests, and QRTs

- **Expert support staff of eleven provides information technology, security, technical editors and graphic artist professional support.**

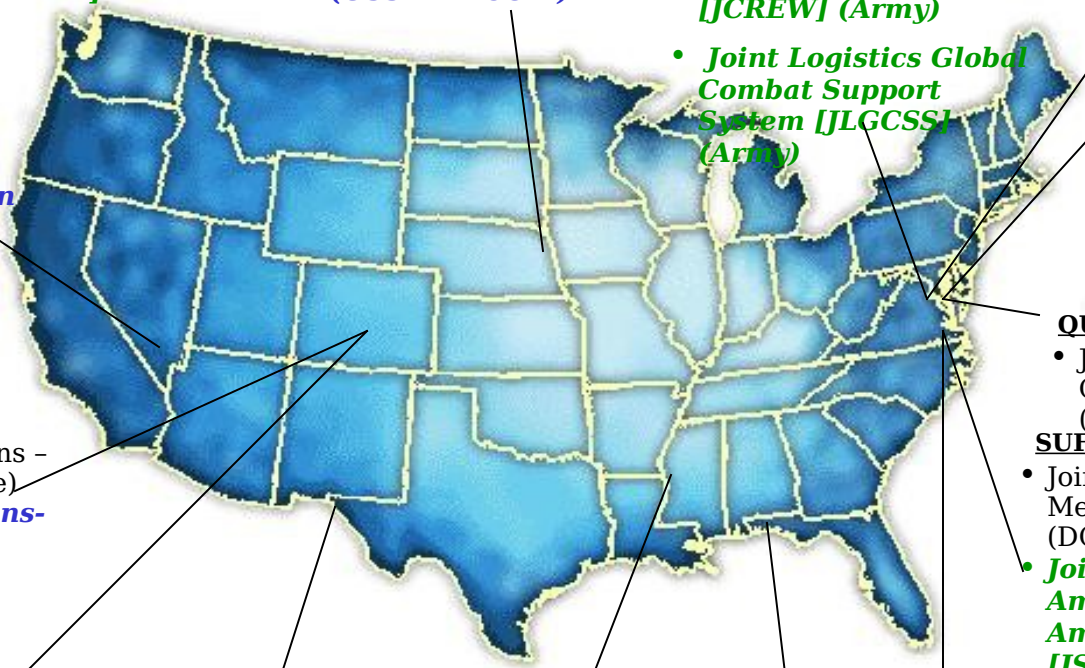
- **There are currently two dedicated and one part-time Service Liaison Officers that communicate with services warfighters, and two dedicated JT&E**

***Joint Test and Evaluation Program***

# *Current Projects*

# Current JT&E Locations

## *8 Tests, 3 Feasibility Studies, 7 Quick Reaction Tests, 13 Locations*



**SEOUL, SOUTH KOREA**
- ***Joint Threat Ballistic Missile Early Warning [JTBMEW] (Army)***

**NELLIS AFB, NV**
- Joint Fires Coordination Measures [JFCM] (Air Force)
- ***Joint Electronic Protection For Air Combat [JEPAC] (Air Force)***
- ***Joint Integration Of Nationally Derived Information [JINDI] (Air Force)***

**COLORADO SPRINGS, CO**
- Joint Space Control Operations – Negation [JSCO-N] (Air Force)
- ***Joint Air Defense Operations-homeland [JADO-H] (USNORTHCOM)***

**PETERSON AFB, CO**
- Joint Integrated (Interagency and International) Command and Control for Maritime Homeland Defense [JICM] (NORTHCOM)

**OFFUTT AFB, NE**
- ***Joint Non-Kinetic Effects Integration [JNKEI] (USSTRATCOM)***

**ALEXANDRIA, VIRGINIA**
- ***Joint Counter Remote-Control Improvised Explosive Device [JCREW] (Army)***
- ***Joint Logistics Global Combat Support System [JLGCSS] (Army)***

**ALEXANDRIA, VA**
- JT&E Program Office

**WASHINGTON NAVAL YARD, WASHINGTON, DC**
- Joint C2 for War on Terror Activities [JC2WTA] (Navy)

**QUANTICO, VA**
- Joint Mobile Network Operations [JMNO] (Marine Corps)

**SUFFOLK, VA**
- Joint Test and Evaluation Methodology [JTEM] (DOT&E)
- ***Joint Shipboard Ammunition and Ammunition Boards [JSAABR] (USSOCOM)***
- JT&E JFCOM Liaison
- Joint Test Support Cell

**NORFOLK, VA**
- ***Joint Tactical Tomahawk Targeting [JHAWK] (Navy)***

**VICKSBURG, MS**
- ***Joint Contingency Operations Base [JCOB] (Army)***
- JT&E Business Finance Office

**FORT BLISS, TX**
- Joint Airspace Command and Control [JACC] (Army)

**EGLIN AFB, FL**
- Joint Command and Control of Net Enabled Weapons [JC2NEW] (Air Force)
- JT&E Program Office South

**Legend:**
- Joint Test
- ***Joint Feasibility Study***
- ***Quick Reaction Test***
- JT&E Program Office Support

Updated: January 18, 2007

# Joint Tests

**Joint Airspace Command and Control (JACC) - The current Theater Air Ground System (TAGS) does not adequately satisfy joint airspace command and control requirements at the operational and tactical levels. JACC will assess and make recommendations for improvements to relevant organizational structure; enhanced processes; current doctrine; tactics, techniques, and procedures; equipment/systems; and joint training.**

**Joint Integrated C2 For Maritime Homeland Defense (JICM) - Test and evaluate existing command and control (C2) supporting maritime homeland defense (MHD), test and evaluate C2 between selected MHD and Maritime Homeland Security (MHS) agencies, and deliver products to improve C2 CONOPS, tactics, techniques, and procedures (TTP), training, exercise coordination, and operational support of MHD. Lead Command: USNORTHCOM**

# Joint Tests

**Joint Space Control Operations - Negation (JSCO-N) - Develops necessary C2 process and TTPs to integrate and synchronize friendly space control negation capabilities (lethal and non-lethal) into the Joint Force Commander's targeting cycle. These offensive space control negation capabilities will deny, degrade, deceive, disrupt, and/or destroy an adversary's ability to utilize its space systems against friendly forces**

**Joint Fires Coordination Measures (JFCM) - Evaluate and evolve multi-Service TTPs to standardize kill box procedures and enable theater commanders to more fully integrate component fires at the operational and tactical levels**

**Joint Command and Control for Net-Enabled Weapons (JC2NEW) - JC2NEW will define and incorporate corresponding operational concepts and command and control (C2) processes to enable the Joint Force Commander (JFC) and supporting forces to effectively integrate and employ net-enabled weapons as a force multiplier. JC2NEW will focus on the real-time targeting, engagement, and assessment portions of the "kill-chain."**

# Joint Test

**Joint Test and Evaluation Methodology (JTEM) - To investigate the processes and methods that support new testing capabilities and institutionalize the evaluation of joint mission effectiveness. The JFS will develop a PTP and strategy to focus on Joint test methodology for a particular system from an operational joint mission**

**Joint Mobile Network Operations (JMNO) - Develop and assess joint tactics, techniques, and procedures (TTPs) to improve forces' ability to access information and network services while crossing Service IP network boundaries. Test will improve mobile network access and maintain current performance by identifying and developing joint doctrine and recommending DOTMLPF changes.**

**Joint C2 for War on Terror Activities (JC2WTA) - Develops joint tactics, techniques, and procedures (TTP) to enable a distributed Joint Task Forces (JTF) to execute operations from a small footprint, clandestine forward command center to conduct War on Terror (WOT) activities**

# Quick Reaction Test

## Joint Shipboard Ammunition and Ammunition Boards (JSAABR)

**Purpose:** An 18-month QRT that will investigate, evaluate, and make recommendations to expand, refine, further validate, and exercise the process to certify existing non-Naval weapons systems for shipboard use that was initially developed by the JSWORD QRT. The JSAABR QRT will also determine how the Joint Weapons Safety Technical Advisory Panel (JWSTAP) and other joint weapons safety initiatives may facilitate shipboard approval of existing non-Navy weapons systems.

**Lead Service:** USN (COMOPTEVFOR) **Location:** Suffolk, VA
**Sponsor:** USSOCOM **Directed:** August 2005

## Joint Counter Remote Control Improvised Explosive Device Electronic Warfare (JCREW)

**Purpose:** There are no consolidated or standardized training materials for CREW jammer use and employment available to the warfighter. (Counter Remote Control IED Electronic Warfare (CREW))

**Lead Service:** USA (ATEC) **Location:** Alexandria, VA
**Sponsor:** IED Task Force **Directed:** March 2006

## Joint Theater Ballistic Missile Early Warning (JTBMEW)

Assesses the current Korea Theater Ballistic Missile Early Warning network by reviewing the existing architecture, to include all platforms involved in the mission and all methods of information collection, processing, and dissemination to identify critical nodes and weaknesses in this current architecture, and propose options to mitigate these vulnerabilities.

**Lead Service:** USA (ATEC) **Location:** Alexandria, VA
**Sponsor:** US Forces Korea **Directed:** August 2006

# Quick Reaction Test

## Joint Contingency Operations Base Force Protection (JCOB) (USA LEAD)

**Develops tactics, techniques, and procedures that reduce force bed-down casualties, save money, and provide mission assurance for military operations other than war. Test will focus on providing standardized, containerized, rapid defensive system deployment process for tents including defensible site selection; courses of action to reduce risks; and minimum standards for force protection while deployed.**

**Lead Service:** USA (ATEC)
**Location:** Alexandria, VA
**Sponsor:** ERDC
**Directed:** August 2006

## Joint Tactical Tomahawk Targeting (JHAWK) (USSOCOM LEAD)

**Investigates, evaluates, and makes recommendations to improve joint TTPs used to conduct third party targeting (3PT) of the Tomahawk Cruise Missile (R/UGM 109-C/D) and Tactical Tomahawk (TACTOM) Cruise Missile (R/UGM 109-E).**

**Lead Service:** USN (COMOPTEVFOR)
**Location:** Norfolk, VA
**Sponsor:** USSOCOM
**Directed:** January 2007

# Quick Reaction Test

## Joint Logistics Global Combat Support System (JLGCSS)

**To develop, implement and demonstrate GCSS TTPs that enable joint warfighters to fully leverage GCSS capabilities and fuse Service-centric data into actionable joint logistics knowledge that improves joint logistics command and control and enables the JFC to sustain joint logistics readiness.**

**Lead Service:** USA (ATEC)
**Location:** Alexandria, VA
**Sponsor:** JFCOM
**Directed:** January 2007

## Joint Integration Of Nationally Derived Information (JINDI)

**Will test and evaluate the viability of employing an architecture (reliable long-haul data link communication) and associated TTPs to push timely, accurate, and tactically significant information (e.g., combat identification, targeting, situational awareness) via long-haul data link to geographically distant tactical forces.**

**Lead Service:** USAF (AWFC)
**Location:** Nellis AFB, NV
**Sponsor:** AWFC
**Directed:** January 2007

# Joint Feasibility Studies

## Joint Electronic Protection For Air Combat (JEPAC)

**Test Purpose:** **Develops, tests, and evaluates joint TTP to improve our combat effectiveness through the employment of electronic protection (EP) via timely integration of specific target track generating capabilities with tactical shooters during combat employment.**

**Sponsor:** **U.S. Air Force**

## Joint Air Defense Operations-homeland (JADO-H)

**Test Purpose:** **JADO-H will focus on three areas: to identify where fielded systems used in traditional and new ways to defeat the asymmetric threat directed against the Homeland; to explore system capabilities, operational concepts and TTP that improve joint force effectiveness against the Homeland asymmetric threat; and to identify where materiel capability gaps remain and possible materiel solutions.**

**Sponsor:** **USNORTHCOM**

## Joint Non-kinetic Effects Integration (JNKEI)

**Test Purpose:** **Will focus on the integration of electronic attack, computer network attack, and offensive space control during time sensitive planning activities against adversary control systems and associated infrastructures and/or processes.**

**Sponsor:** **USSTRATCOM**

Joint Test and Evaluation Program

# Recent Accomplishments

# OT&E Contributions to OEF, OIF JT&E Projects and Quick Reaction Tests (QRTs)

- **Joint Survivability** (QRT) developed and delivered convoy survivability procedures to USCENTCOM to minimize combat casualties. Approximately 90% of deployed convoys are using these procedures. Over 10,000 handbooks have been published, numerous more printed from web sites, and SOCOM is completing a DVD video of the handbook to distribute as a training tool.
- **Joint Unmanned Air Vehicles** provided warfighters with baseline UAV JTTPs. Deployed personnel to the USCENTCOM Air Operations Center to assist in UAV tactics, techniques, and procedures development.
- **Joint Cruise Missile Defense** provided hardware and software tools and a quick assessment of events to defend against cruise missile shots.
- **Joint Logistics/Planning Enhancement** assisting the USCENTCOM J4 staff in improving the process of acquiring and assimilating logistics information to provide a daily status to the USCENTCOM leadership.

# OT&E Contributions to OEF, OIF JT&E Projects and Quick Reaction Tests (QRTs)

- **Joint Command, Control, Intelligence, Surveillance, and Reconnaissance** assisted USCENTCOM, USCENTAF, and Second Fleet in revising the ISR-related portions of time-sensitive targeting (TST) concept of operations and related TTP documents.
- **Joint Battle Damage Assessment** developed a computer-based training package to rapidly instruct large cadres of Reserve augmentee BDA analysts at USCENTCOM-rear and USCENTAF-forward. Provided four enhancements for implementation to the battle damage assessment process.
- **Joint Shipboard Helicopter Integration Process** assisted the USS Kitty Hawk (CTF70) and deployed Special Operations Forces during Operation Enduring Freedom to employ the aircraft carrier as an Afloat Forward Staging Base.
- **The Joint Forward Operations Base Force Protection (JFOB)** QRT was a quick reaction test that found quick solutions, and provided recommendations to the Services, to mitigate the threat of rockets, artillery, and mortars (RAMs) and also vehicle-borne IEDs on forward operations bases in Iraq.

# Notable Success Stories

- **Identification Friend, Foe, or Neutral (78-89) – Theater Air Command and Control Simulation Facility (TACCSF) was the initial legacy. USAF's Distributed Mission Operations Center (DMOC) is the legacy today.**
- **Joint Live Fire (JLF) (84-91) – JLF continues today in DOT&E as the Live Fire T&E Directorate.**
- **Joint Electromagnetic Interference (JIMI) (88-91) – Institutionalized in Electromagnetic Compatibility Analysis Center (ECAC), which is now the Joint Spectrum Center (JSC).**
- **Joint Air Defense Operations/Joint Engagement Zone (90-95) -Institutionalized in All Service Combat Identification and Evaluation Team (ASCIET). ASCIET restructured to Joint Combat Identification and Evaluation Team (JCIET) under U.S. Joint Forces Command (USJFCOM).**
- **Joint Close Air Support (JCAS) (97-03) - Combined with JCIET under USJFCOM to become Joint Fires Integration and Interoperability Team (JFIIT).**

# Joint Test and Evaluation Bottom Line

- **A quarter century legacy of <u>supporting the warfighters</u>**
- **On the leading edge of developing new tactics, techniques, procedures, & capabilities**
- **Making inventory military systems more effective and capable**
- **The JT&E Program is managed by DOT&E, but it requires active participation and support of the Services, OSD Agencies, Joint Staff, JFCOM, and other COCOMS**

**www.jte.osd.mil**